

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

(cancelled)

21. (currently amended) A method of loading schedule planning related data of an airline flight service and ~~on~~ a flight schedule database of a computer based reservation system, comprising:

receiving at least one batch of flight schedule changes at a Schedule Loader server (SLS);

extracting the changes contained in the batch and storing said changes as a set of Future Schedule Records (FSR) which are stored as temporary data available for passenger re-accommodation purpose;

publishing the future schedule records (FSR) ~~and~~ on a reservation distribution server;

simulating passenger re-accommodation options to determine the best re-accommodation option for each passenger among said future schedule records (FSR) and the data of the flight schedule database;

applying the changes in the flight schedule database by:

detecting dependent re-accommodation options by checking whether some of the best re-accommodation options are comprised in said future schedule records (FSR); ~~and~~

updating the flight schedule database starting with the future schedule records (FSR) comprising dependent re-accommodation options; and

updating the reservation inventory database according to the re-accommodations determined during the simulation step,

wherein a reservation system selects a reassignment option, said option being selected from the future schedule record (FSR) or the current schedule record,

wherein the current schedule record is a record that remains unchanged by the applying changes in the flight schedule database.

22. (currently amended) The method according to claim 21 ~~±~~, further comprising:

accessing via a Graphical User Interface ~~to~~ access and set up automation criteria for processing each batch of flight schedule changes, for verification of the changes extracted from the batch of changes and for the validation of the reservation re-accommodations.

23. (cancelled)

24. (currently amended) The method according to claim 21  
~~±~~, wherein a characteristic suffix (SL) is assigned to the changes  
~~to be~~ and stored as future schedule records (FSR).

25. (currently amended) The method according to claim 24  
4, wherein an argument ~~the fact that there is~~ assigned to each  
record (FSR), said argument indicates ~~an argument (FSR is~~  
~~published)~~ ~~indicating~~ whether this record (FSR) has been made  
accessible to the reservation distribution server.

26. (currently amended) The method according to claim 25  
5, ~~wherein~~ further comprising:

determining for each extracted change: ~~the a~~  
corresponding flight periods of the flight schedule database  
~~affected by the change, are opened; if said period has and upon~~  
further determination that said corresponding flight periods have  
not already been affected by one change whose argument is positive,  
perform the further steps of:

duplicating said period ~~is duplicated~~ and assigning the  
suffix (SL) ~~is assigned~~ to the duplicated period;

sending a scheduling change message ~~is sent~~ to integrate  
the change in the duplicated period that it affects;

indicating ~~it is indicated~~ that the change is a record  
accessible to the reservation distribution server, by placing its  
argument (FSR is published) in the positive state.

27. (currently amended) The method according to claim~~-1~~  
21, wherein upon simulation of re-accommodation, a degree of  
dependency is attributed to each record~~there is attributed to~~  
~~each record a degree of dependence~~ as a function of the number  
of other records in cascade for which an application of said  
record gives rise to a re-accommodation of the reservations on said  
other records.

28. (currently amended) The method according to claim~~-7~~  
21, wherein, ~~the~~ in a case of cyclical dependence between several  
records, upon the execution of the re-accommodation operations in  
the reservation system, each reservation in question is modified  
only once by the assembly of these reassignments.

29. (currently amended) The method according to claim~~-1~~  
21, wherein the records (FSR) are deleted after final updating of  
the flight schedule and the reservation inventory databases.